

**PRODUCTION OF 1-HEXENE**

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**Abstract of JP7149677**

**PURPOSE:**To obtain a process for the production of an alpha-olefin oligomer such as 1-hexene in high yield and selectivity on an industrial scale at a low cost and especially improved to facilitate the separation of by-product polymers. **CONSTITUTION:**1-Hexene is produced by the oligomerization reaction of ethylene using a chromium-based catalyst consisting of at least a combination of a chromium compound, an amine or a metal amide and an alkylaluminum compound under  $\geq 10 \text{ kg/cm}^2$  pressure in a reaction solvent having a boiling point higher than that of 1-hexene. The obtained alpha-olefin oligomer composition containing 1-hexene is subjected to degassing treatment and depressurized to  $\leq 3 \text{ kg/cm}^2$  and the by-product polymers are separated from the product.

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